

|   | Type | L # | Hits | Search Text                                                                                                                                                                        | DBs                                   | Time Stamp          | Cor<br>mm<br>en<br>ts | Er<br>ro<br>r<br>De<br>fi<br>ni<br>ti<br>on | Erro<br>rs |
|---|------|-----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|-----------------------|---------------------------------------------|------------|
| 1 | BRS  | L1  | 1    | coupler\$1<br>and (fus\$4<br>near11<br>core\$1) and<br>((taper\$5<br>shav\$3<br>reduc\$4<br>thin\$4<br>scrap\$4)<br>same<br>(jaket\$4<br>coat<br>unjacket\$3)<br>same clad\$4<br>) | US-PGPU<br>B; EPO;<br>JPO;<br>DERWENT | 2003/01/21<br>18:20 |                       |                                             | 0          |

|    | Type | Hits   | Search Text                                                                                                                                                                                                                  | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 1  | BRS  | 33260  | (taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 clad\$4 coat unjacket\$3)                                                                                                                                        | USPAT | 2003/01/17 19:17 |          |                  | 0      |
| 2  | BRS  | 64463  | coupler\$1                                                                                                                                                                                                                   | USPAT | 2003/01/17 18:57 |          |                  | 0      |
| 3  | BRS  | 37702  | (taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same fus\$4                                                                                                                                                                     | USPAT | 2003/01/17 18:59 |          |                  | 0      |
| 4  | BRS  | 2281   | (taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same fus\$4 same core\$1                                                                                                                                                        | USPAT | 2003/01/20 16:44 |          |                  | 0      |
| 5  | BRS  | 10209  | fus\$4 same core\$1                                                                                                                                                                                                          | USPAT | 2003/01/17 19:05 |          |                  | 0      |
| 6  | BRS  | 5135   | fus\$4 near11 core\$1                                                                                                                                                                                                        | USPAT | 2003/01/17 19:05 |          |                  | 0      |
| 7  | BRS  | 188    | (taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4                                                                                                                                   | USPAT | 2003/01/20 16:37 |          |                  | 0      |
| 8  | BRS  | 18     | coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )                                                                                     | USPAT | 2003/01/21 18:20 |          |                  | 0      |
| 9  | BRS  | 0      | ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1))) ) and panda | USPAT | 2003/01/20 16:47 |          |                  | 0      |
| 10 | BRS  | 0      | ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 ) and panda                                                                                                                      | USPAT | 2003/01/17 19:17 |          |                  | 0      |
| 11 | BRS  | 82     | (fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda                                                                                                                                                                    | USPAT | 2003/01/17 19:18 |          |                  | 0      |
| 12 | BRS  | 3      | ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)                                                                                                                         | USPAT | 2003/01/17 19:19 |          |                  | 0      |
| 13 | BRS  | 13     | (coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))              | USPAT | 2003/01/20 15:55 |          |                  | 0      |
| 14 | BRS  | 325412 | (fiber\$1 waveguide\$1 (wave near1 guide\$1))                                                                                                                                                                                | USPAT | 2003/01/17 19:21 |          |                  | 0      |

|    | Type | Hits | Search Text                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 15 | BRS  | 0    | (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )) and interference\$1                                                                                                           | USPAT | 2003/01/17 19:24 |          |                  | 0      |
| 16 | BRS  | 9    | (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1))))                              | USPAT | 2003/01/17 19:27 |          |                  | 0      |
| 17 | BRS  | 0    | (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) and interference             | USPAT | 2003/01/17 19:29 |          |                  | 0      |
| 18 | BRS  | 9    | (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) and (substra\$3 chip planar) | USPAT | 2003/01/20 15:34 |          |                  | 0      |

|    | Type | Hits | Search Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 19 | BRS  | 16   | ((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )                                                                                                                                                                                                                                                                                                                   | USPAT | 2003/01/20 16:06 |          |                  | 0      |
| 20 | BRS  | 9    | ((("5835199" "5420949" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.) and (((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) ) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) and (substra\$3 chip planar)) and (strip\$4 clad\$4 jacket\$3 uncoat\$1 unclad\$4 unjacket\$3 uncoat\$1) | USPAT | 2003/01/20 15:37 |          |                  | 0      |
| 21 | BRS  | 13   | ((("6198858" "6023542" "5889904" "5652814" "5642448" "5642447" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.) and (strip\$4 clad\$4 jacket\$3 uncoat\$1 unclad\$4 unjacket\$3 uncoat\$1)                                                                                                                                                                                                                                                                                                                                                                                                                       | USPAT | 2003/01/20 16:45 |          |                  | 0      |

|    | Type | Hits | Search Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 22 | BRS  | 9    | (("5835199" "5420949" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.) and (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjaket\$3) same clad\$4 )) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) )) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) and (substra\$3 chip planar) | USPAT | 2003/01/20 16:00 |          |                  | 0      |
| 23 | BRS  | 13   | ("6198858" "6023542" "5889904" "5652814" "5642448" "5642447" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.                                                                                                                                                                                                                                                                                                                                                                                                                          | USPAT | 2003/01/20 16:01 |          |                  | 0      |
| 24 | BRS  | 9    | ("5835199" "5420949" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPAT | 2003/01/20 16:02 |          |                  | 0      |

|    | Type | Hits  | Search Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 25 | BRS  | 16    | (((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4)) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1))))))<br>(((("5835199" "5420949" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.) and (((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4)) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))))) and ((rotat\$4 spin\$5 revolv\$4 turning) near11 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))) and (substra\$3 chip planar)) and (strip\$4 clad\$4 jacket\$3 uncoat\$1 | USPAT | 2003/01/20 16:05 |          |                  | 0      |
| 26 | BRS  | 5237  | (taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | USPAT | 2003/01/20 17:19 |          |                  | 0      |
| 27 | BRS  | 4838  | fus\$4 near9 core\$1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USPAT | 2003/01/20 16:44 |          |                  | 0      |
| 28 | BRS  | 20681 | (taper\$5 reduc\$4 thin\$4) near11 (fus\$5 coupler\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPAT | 2003/01/20 16:49 |          |                  | 0      |
| 29 | BRS  | 14422 | (taper\$5 reduc\$4 thin\$4) near11 (fus\$5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | USPAT | 2003/01/20 16:53 |          |                  | 0      |
| 30 | BRS  | 160   | ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | USPAT | 2003/01/20 16:53 |          |                  | 0      |
| 31 | BRS  | 64    | ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))) and (strip\$4 jacket\$3 uncoat\$1 unjacket\$3 uncoat\$1 skin\$3 unskin\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USPAT | 2003/01/20 16:55 |          |                  | 0      |
| 32 | BRS  | 433   | coupler\$1 same fus\$4 same taper\$4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | USPAT | 2003/01/20 17:30 |          |                  | 0      |

|    | Type | Hits | Search Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 33 | BRS  | 22   | ((((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))) and (strip\$4 jacket\$3 uncoat\$1 unjacket\$3 uncoat\$1 skin\$3 unskin\$3)) and (coupler\$1 same fus\$4 same taper\$4)) not (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4)) and (polariz\$6 near5 (fiber\$1 waveguide\$1 (wave near1 guide\$1)))))) (((("5835199" "5420949" "5288999" "5288998" "5288997" "5288996" "5286971" "5286970" "5272330").pn.) and (((((fiber\$1 waveguide\$1 (wave near1 guide\$1)) near3 panda) and (taper\$3 same fus\$4 same coupl\$5)) ((coupler\$1 and (fus\$4 near11 core\$1) and ((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) same (jaket\$4 coat unjacket\$3) same clad\$4 | USPAT | 2003/01/20 16:58 |          | 0                |        |
| 34 | BRS  | 23   | ((((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))) and (strip\$4 jacket\$3 uncoat\$1 unjacket\$3 uncoat\$1 skin\$3 unskin\$3)) and (coupler\$1 same fus\$4 same taper\$4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | USPAT | 2003/01/20 17:21 |          | 0                |        |
| 35 | BRS  | 357  | (shav\$3 sand\$5 scrap\$4) near9 clad\$4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | USPAT | 2003/01/20 17:25 |          | 0                |        |
| 36 | BRS  | 0    | ((((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))) and (strip\$4 jacket\$3 uncoat\$1 unjacket\$3 uncoat\$1 skin\$3 unskin\$3)) and (coupler\$1 same fus\$4 same taper\$4)) and ((shav\$3 sand\$5 scrap\$4) near9 clad\$4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | USPAT | 2003/01/20 17:27 |          | 0                |        |
| 37 | BRS  | 5317 | (shav\$3 sand\$5 scrap\$4) near7 (clad\$4 skin coat\$1 jacket\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | USPAT | 2003/01/20 17:27 |          | 0                |        |

|    | Type | Hits | Search Text                                                                                                                                                                                                                                                                                                                                   | DBs   | Time Stamp       | Comments | Error Definition | Errors |
|----|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|----------|------------------|--------|
| 38 | BRS  | 0    | (((((taper\$5 shav\$3 reduc\$4 thin\$4 scrap\$4) near9 clad\$4) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))) and (strip\$4 jacket\$3 uncoat\$1 unjacket\$3 uncoat\$1 skin\$3 unskin\$3)) and (coupler\$1 same fus\$4 same taper\$4)) and ((shav\$3 sand\$5 scrap\$4) near7 (clad\$4 skin coat\$1 jacket\$1)) | USPAT | 2003/01/20 17:28 |          |                  | 0      |
| 39 | BRS  | 10   | ((shav\$3 sand\$5 scrap\$4) near7 (clad\$4 skin coat\$1 jacket\$1)) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5 coupler\$1))                                                                                                                                                                                   | USPAT | 2003/01/20 17:29 |          |                  | 0      |
| 40 | BRS  | 8    | ((shav\$3 sand\$5 scrap\$4) near7 (clad\$4 skin coat\$1 jacket\$1)) and (fus\$4 near9 core\$1) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5 coupler\$1))) and ((taper\$5 reduc\$4 thin\$4) near11 (fus\$5))                                                                                                                                | USPAT | 2003/01/20 17:30 |          |                  | 0      |